

Peer Review

Review of: "Intermittent Pneumatic Compression as a Regulator of Physiological Processes: A Conceptual Framework"

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2. Use of LLM Simulation as Evidence

This is the most serious limitation.

LLM outputs cannot be considered scientific validation.

Current publishing standards treat LLMs as editorial or drafting tools only.

Using them for mechanistic validation weakens credibility.

3. Excessive Scope and Overgeneralization

The manuscript attempts to connect IPC with:

Neurology

Endocrinology

Oncology

Aging biology

Pharmacokinetics

Preventive medicine

Artificial intelligence

👉 This breadth reduces scientific focus and increases the perception of speculation.

• Manuscript Length and Density

Extremely long.

Contains philosophical and visionary commentary.

Needs substantial condensation.

- Conflict of Interest Transparency

Although disclosed, historical device association may introduce perceived bias and requires careful editorial consideration.

Declarations

Potential competing interests: No potential competing interests to declare.